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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,501	02/27/2004	Jeffrey S. Lille	SJO920000168US2, 38.11D1	9096
24033	7590 05/11/2006	•	EXAM	INER
KONRAD RAYNES & VICTOR, LLP 315 S. BEVERLY DRIVE			CAO, ALLEN T	
# 210	CET DICEVE		ART UNIT	PAPER NUMBER
BEVERLY H	ILLS, CA 90212		2627	- · · · · · · · · · · · · · · · · · · ·

DATE MAILED: 05/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		10/789,501	LILLE, JEFFREY S.		
		Examiner	Art Unit		
		Allen T. Cao	2627		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHO WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLEHEVER IS LONGER, FROM THE MAILING DISTRICT IN THE MAILING DEPLY WILLIAM STATE OF THE MAILIAM STATE OF THE MAILING DEPLY WILLIAM STATE OF THE MAILING DEPL	ATE OF THIS COMMUNICA 36(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS c, cause the application to become ABAN	TION. y be timely filed S from the mailing date of this communication. DONED (35 U.S.C. § 133).		
Status					
2a)□	Responsive to communication(s) filed on <u>27 F</u> This action is FINAL . 2b) This Since this application is in condition for allowa closed in accordance with the practice under B	s action is non-final. nce except for formal matters	•		
Dispositi	on of Claims				
5)□ 6)⋈ 7)⋈ 8)□ Applicati 9)□ 10)⋈	Claim(s) 1-18 is/are pending in the application 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) 1-6,9,11-14 and 16-18 is/are rejected Claim(s) 7,8,10 and 15 is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine The drawing(s) filed on 27 February 2004 is/ar Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The Oath or declaration is objected to by the Examine The Oath or declaration is objected to by the Examine The Oath or declaration is objected to by the Examine The Oath Oath Oath Oath Oath Oath Oath Oath	wn from consideration. I. or election requirement. er. e: a)⊠ accepted or b)□ objuiction is required if the drawing(s)	s. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).		
Priority u	ınder 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 3/13/06		Mail Date rmal Patent Application (PTO-152)		

Application/Control Number: 10/789,501

Art Unit: 2627

1. Claims 11-15 are objected to because of the following informalities:

- a) The term "a" in front of the term "opening" in claim 11, line 2 should be changed to -an--.
- b) The term "a" in front of the term "slider" in claim 15, line 1 should be changed to -said—or -the--, because "a slider" has been introduced in claim 11, line 3.

Appropriate correction is required.

- c) The term "member" in claim 18, line 1 should be changed to -membrane--.
- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-6, 9, 11-14 and 16-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Hipwell et al (US. 2003/0030942 A1).

Hipwell et al discloses a head suspension assembly having a suspension arm 100 having a trench (124's) formed therein; and a membrane (bond pads 112, 114; [0014], lines 1-4) positioned on the suspension arm and adapted to support a slider 164 thereon, wherein at least a portion of the membrane is positioned adjacent to the trench. (see also [0021] – [0024]), as set forth in claims 1 and 16. Hipwell also inherently discloses a disk drive having at least one disk; a hub; a read/write head as recited in claim 16 (see Background of the invention).

Application/Control Number: 10/789,501

Art Unit: 2627

Regarding claim 11, Hipwell et al discloses a head suspension assembly having a suspension arm having an opening (trenches 124-1, 124-2) extending a distance therein; and a membrane (130 including bond pads) positioned on the suspension arm and adapted to "support" a slider 164 (bond pads "support" the slider) thereon, wherein a portion of the membrane is positioned over the opening, all as set forth by claim language, claims 11 and 18.

Regarding claims 3 and 12, Hipwell et al discloses that the suspension arm is formed from silicon ([0013], lines 6-7 and [0015], line 14).

Regarding claims 4-5 and 13-14, Official Notice has been taken that the bond pads in the disk drive technology mostly is formed of either carbon (glassy carbon), copper or gold plated.

Regarding claims 2, 6 and 17, Hipwell et al inherently discloses that the suspension arm and the membrane are formed from materials having different compositions (see above).

Regarding claim 9, Hipwell et al discloses that the membrane is formed from an electrically conductive material.

4. Claims 7-8, 10 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Application/Control Number: 10/789,501

Art Unit: 2627

per: 10/789,501 Page 4

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen T. Cao whose telephone number is (571) 272-7569. The examiner can normally be reached on Mon - Thurs (7:30 - 6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Allen Cao

Primary Examiner

Menling

AC May 9, 2006